

TABLE K-1 - New Jersey Median Sludge Quality (1983 - 2001)

PARAMETER: Year		CAT 1 ¹	CAT 2 ¹	CAT 3 ¹	CAT 4 ¹	CAT 5 ¹	Number of Samples	Percent of Samples w/ Detects (%)	STATEWIDE MEDIAN (mg/kg)
Arsenic:	1983	2.09	2	2.5	3.05	3.52	NA	NA	2.7
	1994	2.79	3.11	2.52	3.06	2.8	NA	NA	2.85
	1997	4.19	4.02	3.33	4.92	4.77	1183	61.4	4.33
	2001	4.31	3.59	3.9	4.695	NA	1003	43	4.4
Cadmium:	1983	7.38	2	10.1	9.9	11.45	NA	NA	9.4
	1994	6.6	4.9	4.9	5.68	6.53	NA	NA	5.63
	1997	3	3.85	3.3	3.36	5.4	1185	65.2	3.5
	2001	2.63	1.965	2.67	2.845	NA	1006	62	2.7
Chromium:	1983	33.6	29	88.83	115	600	NA	NA	93
	1994	27	23	27	39	88	NA	NA	39
	1997	19.7	25	20	29.6	42.4	1185	89.3	25.99
	2001	15.1	14.3	22.25	28.85	NA	1008	92.5	24.45
Copper:	1983	697	657	949	776	1170	NA	NA	825
	1994	594	679	658	667	819	NA	NA	679
	1997	524	669	662.8	621.5	832	1185	99.2	627.8
	2001	500	538	667	527	NA	1009	99.8	552
Lead:	1983	127	122	195	196	411	NA	NA	210
	1994	100	74	86	108	137	NA	NA	100
	1997	62	75.8	57.1	64.5	82	1186	84.8	65.22
	2001	40.18	25.25	44.2	53.8	NA	1009	93	48.5
Mercury:	1983	1.3	2.9	5	3.25	3.77	NA	NA	3.6
	1994	2.08	2.24	2.5	2.4	2.29	NA	NA	2.34
	1997	1.74	1.96	2.2	1.65	2.89	1185	78	1.93
	2001	1.04	1.23	1.88	1.74	NA	1007	91	1.66
Molybdenum:	1983	NA	NA	NA	NA	NA	NA	NA	NA
	1994	15.3	20	12.16	14.9	15.2	NA	NA	15.03
	1997	12.8	20.8	12	9.6	16.3	1183	60.5	12.6
	2001	18.7	8.52	11.55	10.86	NA	1007	62	11.1
Nickel:	1983	29.5	34	49.5	43.15	90	NA	NA	45.8
	1994	31	26	26	30	48	NA	NA	31
	1997	18	27.2	23.2	24.1	33	1185	86.5	23.41
	2001	15.2	12.2	18.9	21.35	NA	1009	92	18.7
Selenium:	1983	NA	NA	NA	NA	NA	NA	NA	NA
	1994	2.38	2.7	2.4	1.74	1.3	NA	NA	2.07
	1997	4.8	4.83	3.08	5.74	5.78	1184	66.2	4.91
	2001	7.38	6.11	6.92	7.27	NA	1007	43	7.02
Zinc:	1983	803	825	1200	1010	2300	NA	NA	1110
	1994	904	684	738	846	999	NA	NA	826
	1997	674	666	740	936	1000	1185	98.9	809.89
	2001	745.6	574	785	901.5	NA	1007	99.8	832

¹ Denote the SQAR reporting category as follows:

Cat 1: domestic treatment works with a permitted flow less than 0.1 MGD.

Cat 2: domestic treatment works with a permitted flow of 0.1 to 0.999 MGD.

Cat 3: domestic treatment works with a permitted flow from 1.0 to 4.999 MGD.

Cat 4: domestic treatment works with a permitted flow equal to or greater than 5.0 MGD.

Cat 5: domestic treatment works with a flow to which more than 10 percent of the permitted daily flow or the permitted daily mass loading of BOD, COD or Suspended Solids is contributed by SIUs. (This category was deleted in the 1999 readoption of the SQAR.)

Notes: Due to large ranges reported for some parameters there is a considerable difference in magnitude between mean and median values. The true central tendency for the concentration is better represented by the median than by the mean value. For determining median concentrations, if analytical testing did not yield a pollutant concentration above the minimum detection level, the pollutant concentration was assumed to be the minimum amount of pollutant that could be measured. Equating undetected data points to their minimum detection level is a conservative assumption since it tends to overestimate pollutant concentrations. The percent of detected samples is indicated on the table.